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		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR		7074		
09/689,824	10/13/2000	Takaaki Sasaki	PNET.011D	7074		
	590 12/21/2001 ENTINE LLC		IINER			
JONES VOLENTINE, LLC SUITE 150 12200 SUNRISE VALLEY DRIVE			BERRY, F	BERRY, RENEE R		
RESTON, VA	20191		ART UNIT	PAPER NUMBER		
			2818			

DATE MAILED: 12/21/2001

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Applicant(s)

Office	Action	Summary
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Examiner
Renee Berry

09/689,824

Art Unit 2818

Sasaki



	·		1101	_		
	The MAILING DATE of this commu	nication appears o	on the cover s	heet with t	he corres	pondence address
Period for A SHO THE M - Extension after the light be contained.	PARTENED STATUTORY PERIOD FOR AILING DATE OF THIS COMMUNITY Stons of time may be available under the error SIX (6) MONTHS from the mailing date period for reply specified above is less the considered timely. Period for reply is specified above, the manunication.	R REPLY IS SET CATION.  provisions of 37 CF of this communication thirty (30) days, taximum statutory produced for reply will, by the months after the	TO EXPIRE _ R 1.136 (a). In ation. a reply within period will apply	3 no event, the statutor and will ex	MONTH	M(S) FROM  may a reply be timely filed  n of thirty (30) days will  6) MONTHS from the mailing date of this  come ARANDONED (35 U.S.C. § 133).
ear	ned patent term adjustment. See 37 CF	N 1.704(b).				
Status 1) 🔯	Responsive to communication(s) fi	led on <i>Oct 10, 2</i>	001			·
201	This action is FINAL.	2b) X This act	tion is non-fir	ıal.		
	Since this application is in conditional closed in accordance with the practice.	n for allowance e ctice under <i>Ex pa</i>	except for fo arte Quayle, '	rmal matte 1935 C.D.	ers, prose 11; 453	ocution as to the merits is O.G. 213.
Disposit	tion of Claims				ieler	e pending in the application.
4) 💢	Claim(s) <u>7-23</u>				15/01	e perioring in the appropriation
4	a) Of the above, claim(s) 16-23				is/a	re withdrawn from consideration.
5) 🗶	Claim(s) 7-15					_ is/are allowed.
6) 🗆	Claim(s)					_ is/are rejected.
7) 🗆	Claim/a)					_ is/are objected to.
8) 🗆	Claims			are subjec	t to restr	iction and/or election requirement.
9) □ 10) □ 11) □	The specification is objected to be The drawing(s) filed on The proposed drawing correction The oath or declaration is objected	y the Examiner. is/ar	e objected to	by the Ex	caminer.	
13)⊡ a)∫	3. Copies of the certified copies application from the See the attached detailed Office and the second of a second control of the se	e of: ity documents ha ity documents ha es of the priority International Bu etion for a list of	ave been reco ave been reco documents h reau (PCT Ru the certified o	eived. eived in A nave been ule 17.2(a) copies not	pplication received ). received	n No in this National Stage
	ment(s)		18) Interv	iew Summary	(PTO-413) Pe	aper No(s)
	Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (I	PTO-948)				tion (PTO-152)
	Information Disclosure Statement(s) (PTO-1449) F		20) Other	:		

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## **DETAILED ACTION**

#### Election/Restriction

- 1. Applicant's election without traverse of Group I in Paper No. 7 is acknowledged.
- 2. Claims 16-23 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in Paper No. 7.

### Claim Objections

3. Claims 7-9 are objected to because of the following informalities: "through hall". The correct term is "through hole". Appropriate correction is required.

# Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.
- 5. Claims 7-15 are rejected under 35 U.S.C. 102(e) as being anticipated by US patent no. 6,268,648 to Fukutomi et al.

Fukutomi teaches a method of making a semiconductor package comprising preparing a semiconductor package structure by providing a substrate for mounting a semiconductor element

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thereon to fix a semiconductor element to one side thereof and a connecting pattern provide on the other side of the substrate and by forming a through hole from the one side to the other side of the substrate; fixing a surface where the element is formed of a semiconductor element on the one side of the substrate of the semiconductor package such that an electrode of the semiconductor element is within the through hole; electrically connecting a connecting pattern and an electrode of a semiconductor element via wires through the through hole; and sealing the through hole and wires with resin at column 6, lines 30-44.

In regard to claim 8, Fukutomi teaches a connecting pattern is provided continuously in a plurality of stages and an end portion of connecting pattern on the side of the through hole is provided on a stage on the side of the one side of the substrate at column 8, lines 43-55.

In regard to claim 9, teaches the through hole is a plurality of through holes.

In regard to claim 10, teaches the surface where the element is formed of a semiconductor element is fixed on the one side of the substrate of the semiconductor package via a tape-like bonding material.

In regard to claim 11, Fukutomi teaches the surface where the element is formed of a semiconductor element is fixed on the one side of the substrate of the semiconductor package with adhesive at column 6, lines 66-67 to column 7, lines 1-2.

In regard to claim 12, Fukutomi teaches the surface where the element is formed of the semiconductor element is fixed on the one side of the substrate semiconductor package via a tapelike bonding material at column 20, lines 35-39, claim 11.

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In regard to claim 13, teaches the surface where the element is formed of a semiconductor

element is fixed on the one side of the substrate semiconductor package via a tape-like bonding

material at column 20, lines 35-39, claim 11.

In regard to claim 14, Fukutomi teaches the surface where the element is formed of a

semiconductor element is fixed on the one side of the substrate of semiconductor package with

adhesive at column 6, lines 66-67 to column 7, lines 1-2 and 20-27.

In regard to claim 15, Fukutomi teaches the surface where the element is formed of a

semiconductor element is fixed on the one side of the substrate of the semiconductor package

with adhesive at column 6, lines 66-67 to column 7, lines 1-2 and 20-27.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner 6. should be directed to R. R. Berry whose telephone number is (703) 305-4544.

**Supervisory Patent Examiner Technology Center 2800** 

Selbery

December 17, 2001